Editorial
Attitudes and Careers ............................................. 437

Articles
Fine Structure of the Hydrogen Atom: W. E. Lamb, Jr. ............... 439
U.S. Geological Survey Radiocarbon Dates III: M. Rubin and H. E. Suess ... 442
A. L. Tatum, Practical Pharmacologist: F. E. Shideman ............... 449

News of Science
Smoking, Air Pollution, and Lung Cancer; Cosmic Spherules in Deep Sea Sediments; AEC Secrecy Policy Challenged; Geneva Nuclear Exhibit; NSF Appropriations; Tracing Atmospheric Pollutants; Electroluminescence in Disordered Zinc Sulfide; Radio Waves from Jupiter; Cosmic Ray Activity; News Briefs; Scientists in the News; Recent Deaths; Education; Grants, Fellowships, and Awards; In the Laboratories; Miscellaneous ...................... 450

Reports and Letters
Dissociation of Cultures from Picea glauca into Small Tissue
Fragments and Single Cells: J. Reinert ................................ 457
Experimental Monocytic Leukemia: F. Pentimalli ...................... 458
Copper Fluorides: H. M. Haendler .................................... 459
Paleotemperatures of Pacific Bottom Waters and Multiple
Hypotheses: O. L. Bandy .................................................. 459
On Paleotemperatures of Pacific Bottom Waters: C. Emiliani .......... 460
Hemoglobin-Reactive Substance in Human Serum: R. J. Wieme; A. H. Tuttle 461
Serum Components in the Newborn: E. Sohar et al. ..................... 461
Photosynthetic Luminescence and Photoinduced Absorption Spectrum
Changes in Chlorella: B. L. Strehler and V. H. Lynch .................. 462
Carbon Dioxide Sorption by Yeast: J. Amsz, Jr., R. F. Dale, H. J. Peppler ... 463
Pseudotuberculosis in Experimental Animals: I. L. Shechmeister ........ 463
Artemia salina as a Test Organism for Bioassay:
A. S. Michael, C. G. Thompson, M. Abramovitz ..................... 464

Book Reviews
Chemistry of the Solid State; Advances in Cancer Research; Catalysis; The
Mammalian Fetus: Physiological Aspects of Development; New Books ...... 465

Scientific Meetings
Phospholipid Symposium; Meeting Notes; Forthcoming Events .......... 468
Equipment News ............................................................. 475
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:  
http://science.sciencemag.org/content/123/3194.citation

**Permissions**  Obtain information about reproducing this article:  
http://www.sciencemag.org/about/permissions.dtl